

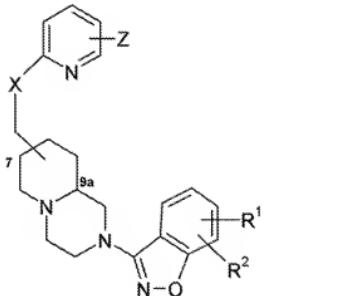
Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

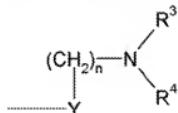
Listing of Claims

Claims 1-35 (Cancelled)

Claim 36. (Previously presented) A compound having the formula



or a pharmaceutically acceptable salt thereof, wherein Z is



wherein Y is methylene; X is oxygen; n is 0; R¹ and R² are each hydrogen or halogen; and R³ and R⁴ together with the nitrogen atom to which they are attached form i) a saturated non-aromatic 3 to 7 membered monocyclic ring, said ring i) being unsubstituted or substituted with one or more (C₁-C₄)alkyl, (C₁-C₄)alkoxy(C₁-C₄)alkyl, or hydroxy groups.

37. (Previously presented) The compound of Claim 36, wherein said compound is selected from the group consisting of:

(7R, 9aS)-trans-7-[6-(2,6-Dimethyl-piperidin-1-ylmethyl)-pyridin-2-yl]octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(6-piperidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-7-[6-(2,5-Dimethyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxyethyl]-2-(5-fluoro-benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-7-(6-Azepan-1-ylmethyl-pyridin-2-yloxyethyl)-2-(5-fluoro-benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-3-ol;

(7S, 9aS)-cis-7-(5-Azetidin-1-ylmethyl-pyridin-2-yloxyethyl)-2-benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methyl-aziridin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-7-(5-Azepan-1-ylmethyl-pyridin-2-yloxyethyl)-2-(benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methoxymethyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7S, 9aS)-cis-2-Benzo[d]isoxazol-3-yl-7-(5-piperidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7S, 9aS)-cis-7-(5-Azetidin-1-ylmethyl-pyridin-2-yloxyethyl)-2-benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazine;

(7S, 9aS)-cis-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methyl-aziridin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-2-ylmethyl]-pyrrolidin-3-ol;

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-2-ylmethyl]-(*R*)-pyrrolidin-3-ol;

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-2-ylmethyl]-(-S)-pyrrolidin-3-ol;

(7S, 9aS)-cis-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-(S)-3-ol;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-piperidin-4-ol;

(7S, 9aS)-cis-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-(R)-3-ol;

(7R, 9aS)-trans-7-(5-Azetidin-1-ylmethyl-pyridin-2-yloxyethyl)-2-(5-fluoro-benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-(6-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-(5-piperidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

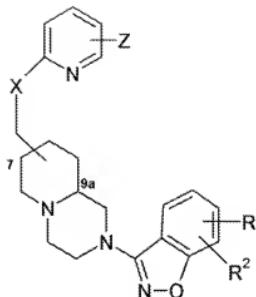
(7S, 9aS)-cis-2-Benzo[d]isoxazol-3-yl-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7S, 9aS)-cis-2-Benzo[d]isoxazol-3-yl-7-(6-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

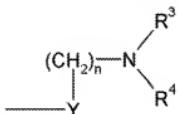
(7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(6-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

and pharmaceutically acceptable salts thereof.

38. (Previously presented) A pharmaceutical composition comprising a compound having the formula



or a pharmaceutically acceptable salt thereof, wherein Z is



wherein Y is methylene; X is oxygen; n is 0; R¹ and R² are each hydrogen or halogen; and R³ and R⁴ together with the nitrogen atom to which they are attached form i) a saturated non-aromatic 3 to 7 membered monocyclic ring, said ring i) being unsubstituted or substituted with one or more (C₁-C₄)alkyl, (C₁-C₄)alkoxy(C₁-C₄)alkyl, or hydroxy groups.

39. (Previously presented) The composition of claim 38, wherein said compound is selected from the group consisting of

(7R, 9aS)-trans-7-[6-(2,6-Dimethyl-piperidin-1-ylmethyl)-pyridin-2-yloxyethyl]-2-(5-fluoro-benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(6-piperidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-7-[6-(2,5-Dimethyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxyethyl]-2-(5-fluoro-benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-7-(6-Azepan-1-ylmethyl-pyridin-2-yloxyethyl)-2-(5-fluoro-benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine;

(7*R*, 9*aS*)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-3-ol;

(7*S*, 9*aS*)-cis-7-(5-Azetidin-1-ylmethyl-pyridin-2-yloxyethyl)-2-benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazine;

(7*R*, 9*aS*)-trans-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methyl-aziridin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7*R*, 9*aS*)-trans-7-(5-Azepan-1-ylmethyl-pyridin-2-yloxyethyl)-2-(benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine;

(7*R*, 9*aS*)-trans-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methoxymethyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7*R*, 9*aS*)-trans-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7*S*, 9*aS*)-cis-2-Benzo[d]isoxazol-3-yl-7-(5-piperidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7*S*, 9*aS*)-cis-7-(5-Azetidin-1-ylmethyl-pyridin-2-yloxyethyl)-2-benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazine;

(7*S*, 9*aS*)-cis-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methyl-aziridin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7*R*, 9*aS*)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-2-ylmethyl]-pyrrolidin-3-ol;

(7*R*, 9*aS*)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-2-ylmethyl]-(*R*)-pyrrolidin-3-ol;

(7*R*, 9*aS*)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-2-ylmethyl]-(*S*)-pyrrolidin-3-ol;

(7*S*, 9*aS*)-cis-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-(*S*)-3-ol;

(7*R*, 9*aS*)-trans-2-Benzo[d]isoxazol-3-yl-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-ylloxymethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-piperidin-4-ol;

(7S, 9aS)-cis-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-(R)-3-ol;

(7R, 9aS)-trans-7-(5-Azetidin-1-ylmethyl-pyridin-2-ylloxymethyl)-2-(5-fluoro-benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-(6-pyrrolidin-1-ylmethyl-pyridin-2-ylloxymethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-(5-piperidin-1-ylmethyl-pyridin-2-ylloxymethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7S, 9aS)-cis-2-Benzo[d]isoxazol-3-yl-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-ylloxymethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7S, 9aS)-cis-2-Benzo[d]isoxazol-3-yl-7-(6-pyrrolidin-1-ylmethyl-pyridin-2-ylloxymethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(6-pyrrolidin-1-ylmethyl-pyridin-2-ylloxymethyl)-octahydro-pyrido[1,2-a]pyrazine;

and pharmaceutically acceptable salts thereof.

40. (New) A compound of formula I that is selected from

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-3-ol;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methyl-pyrrolidin-1-ylmethyl)-pyridin-2-ylloxymethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-ylloxymethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-ylloxymethyl)-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-piperidin-4-ol;

(7R, 9aS)-trans-7-(5-Azetidin-1-ylmethyl-pyridin-2-yloxyethyl)-2-(5-fluoro-benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine; and

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-(5-piperidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine.

41. (New) The compound of claim 40 that is selected from

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-3-ol;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine; and

(7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine.

42. (New) The compound of claim 40 that is selected from

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-3-ol;

(7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-[5-(2-methyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxyethyl]-octahydro-pyrido[1,2-a]pyrazine; and

(7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine.

43. (New) The compound of claim 40 that is (7R, 9aS)-trans-2-Benzo[d]isoxazol-3-yl-7-(5-pyrrolidin-1-ylmethyl-pyridin-2- yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine.

44. (New) The compound of claim 40 that is selected from

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-pyrrolidin-3-ol; and

(7R, 9aS)-trans-1-[6-(2-Benzo[d]isoxazol-3-yl-octahydro-pyrido[1,2-a]pyrazin-7-ylmethoxy)-pyridin-3-ylmethyl]-piperidin-4-ol

45. (New) The compound of claim 40 that is (7R, 9aS)-trans-7-(5-Azetidin-1-ylmethyl)-pyridin-2-yloxyethyl)-2-(5-fluoro-benzo[d]isoxazol-3-yl)-octahydro-pyrido[1,2-a]pyrazine.

46. (New) The compound of claim 40 that is (7R, 9aS)-trans-2-(5-Fluoro-benzo[d]isoxazol-3-yl)-7-(5-pyrrolidin-1-ylmethyl-pyridin-2-yloxyethyl)-octahydro-pyrido[1,2-a]pyrazine.